

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
 Data File : BF088696.D
 Acq On : 4 Jul 2016 15:30
 Operator : UM/SJ
 Sample : H3784-10
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D11-B1(6-12)C

Manual Integrations

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 7/5/2016 7:49:51 PM

Quant Time: Jul 05 01:53:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 01:06:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	95776	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	338311	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	134636	20.00	ng	0.01
63) Phenanthrene-d10	11.30	188	216239	20.00	ng	0.01
75) Chrysene-d12	13.93	240	177009	20.00	ng	0.01
86) Perylene-d12	15.33	264	135487	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	550014	86.07	ng	0.01
7) Phenol-d6	6.42	99	672394	81.43	ng	0.00
23) Nitrobenzene-d5	7.35	82	424791	65.80	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	100449	80.34	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	798993	93.74	ng	0.00
78) Terphenyl-d14	12.89	244	528351	66.48	ng	0.01
Target Compounds						
13) 1,4-Dichlorobenzene	6.80	146	31591	4.21	ng	Qvalue # 91
31) Naphthalene	8.09	128	83615	5.01	ng	98
37) 2-Methylnaphthalene	8.79	142	644211	59.99	ng	# 94
49) Dimethylphthalate	9.54	163	66064	6.89	ng	# 95
51) Acenaphthene	9.85	154	166105	19.46	ng	98
54) Dibenzofuran	10.02	168	140426	12.57	ng	# 68
57) Fluorene	10.36	166	74355	8.64	ng	# 90
70) Phenanthrene	11.33	178	205729	17.40	ng	98
71) Anthracene	11.37	178	47100m	4.01	ng	
74) Fluoranthene	12.51	202	45615	3.81	ng	84
77) Pyrene	12.73	202	173000	11.53	ng	# 94
80) Benzo(a)anthracene	13.92	228	40419	3.55	ng	# 57
82) Chrysene	13.95	228	49180	4.36	ng	# 63

(#) = qualifier out of range (m) = manual integration (+) = signals summed

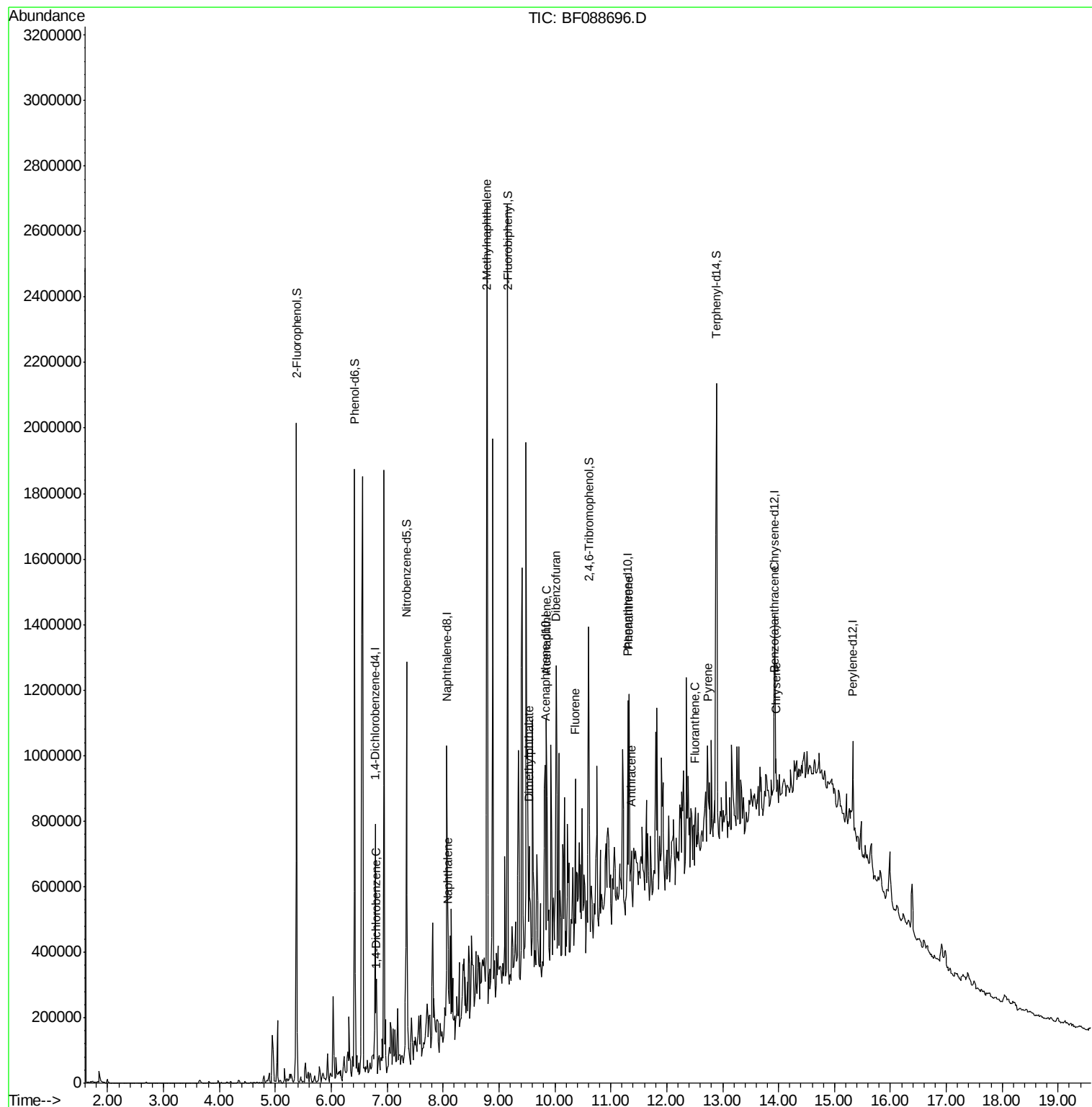
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
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Response via : Initial Calibration

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

Instrument :

BNA_F

ClientSampleId :

D11-B1(6-12)C

Tot Ion:152 Resp: 95776

Ion Ratio Lower Upper

152 100

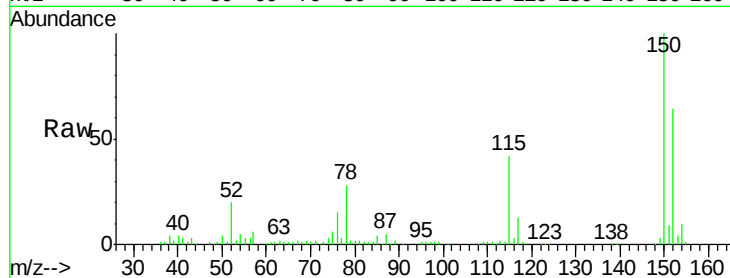
150 155.7 123.8 185.6

115 65.3 39.6 59.4#

Manual Integrations

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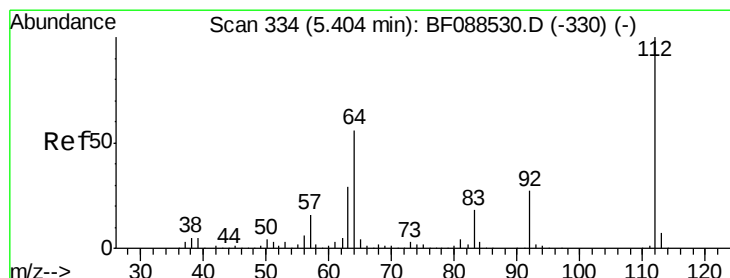
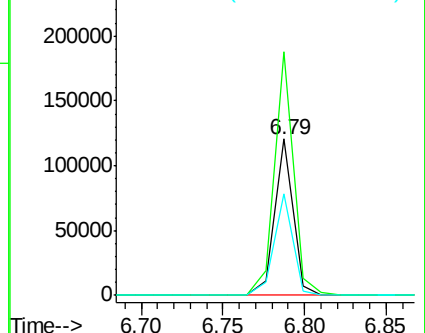
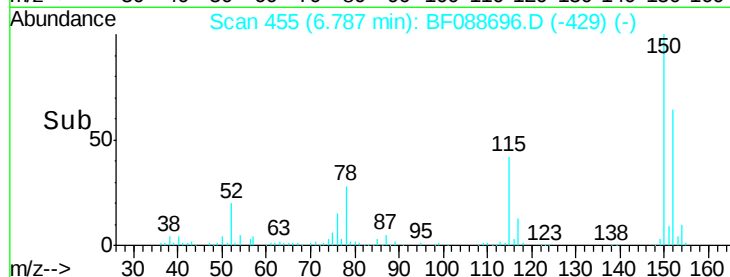
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 86.07 ng

RT: 5.38 min Scan# 332

Delta R.T. 0.01 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

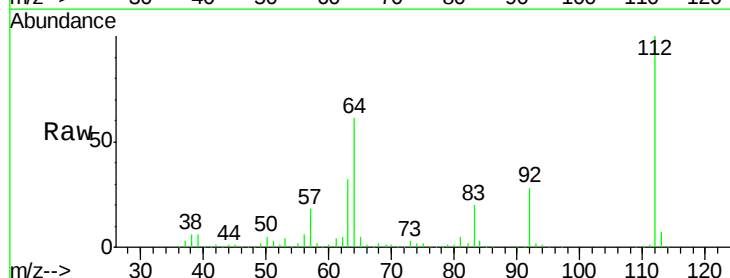
Tgt Ion:112 Resp: 550014

Ion Ratio Lower Upper

112 100

64 61.3 42.2 63.2

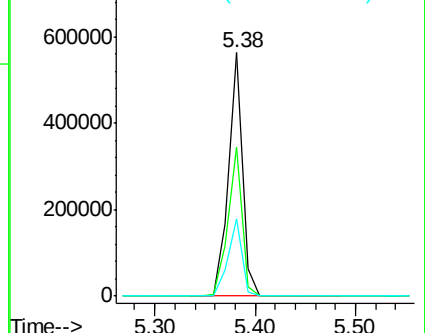
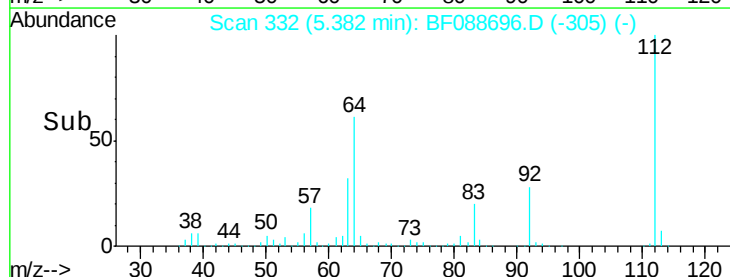
63 31.9 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.43 ng

RT: 6.42 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

Instrument :

BNA_F

ClientSampleId :

D11-B1(6-12)C

Tot Ion: 99 Resp: 672394

Ion Ratio Lower Upper

99 100

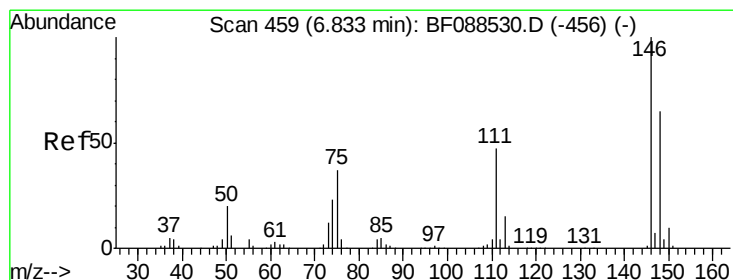
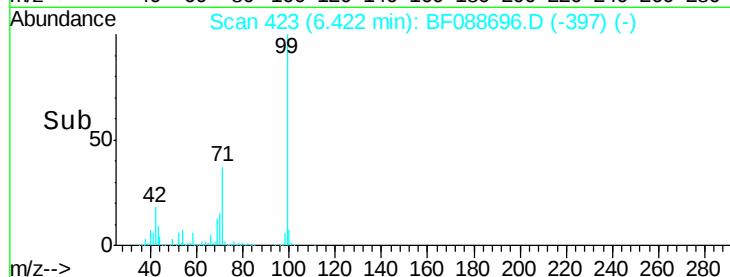
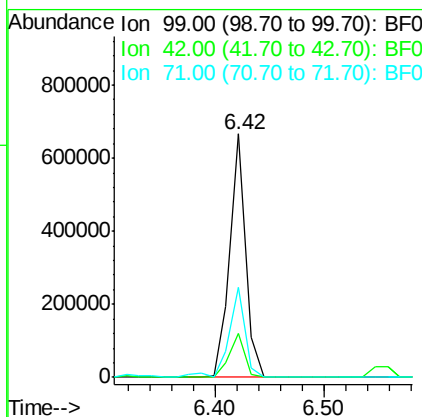
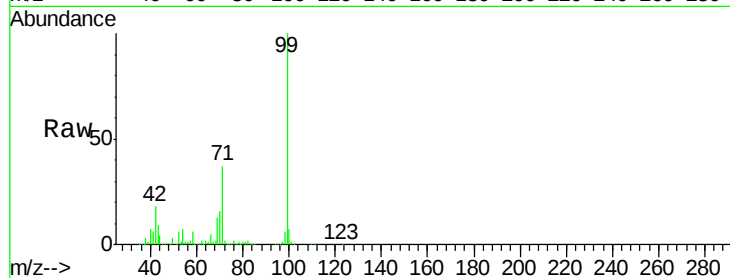
42 17.8 12.2 18.2

71 36.8 23.4 35.0#

Manual Integrations

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#13

1,4-Dichlorobenzene

Concen: 4.21 ng

RT: 6.80 min Scan# 456

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

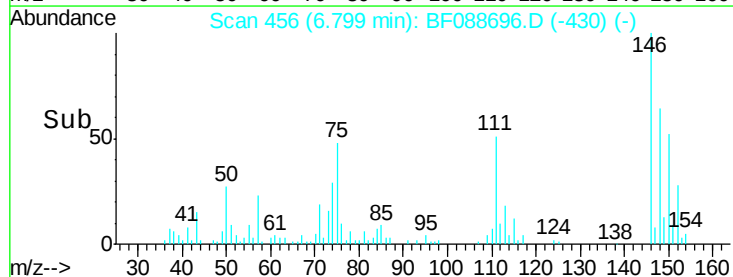
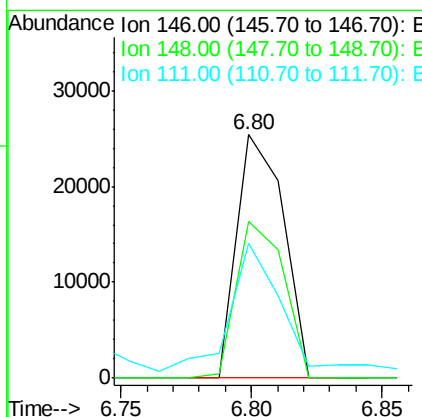
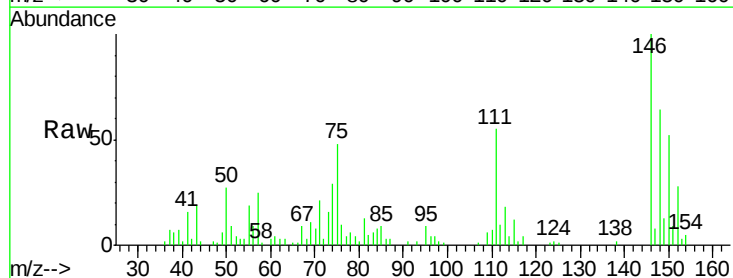
Tgt Ion: 146 Resp: 31591

Ion Ratio Lower Upper

146 100

148 64.1 52.0 78.0

111 55.5 33.8 50.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

Instrument :

BNA_F

ClientSampleId :

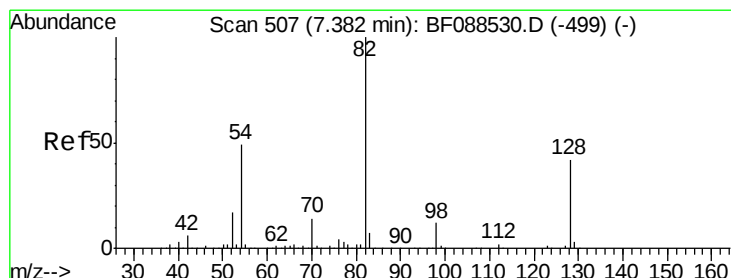
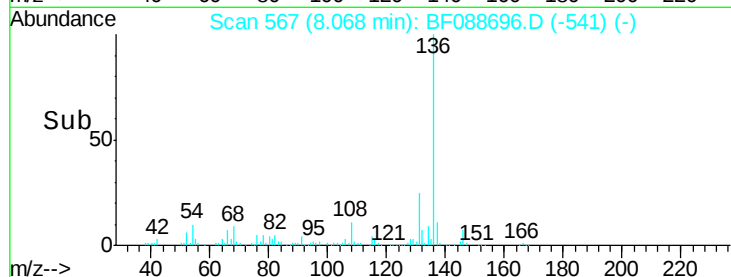
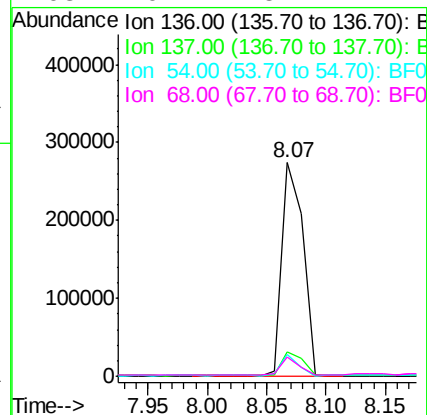
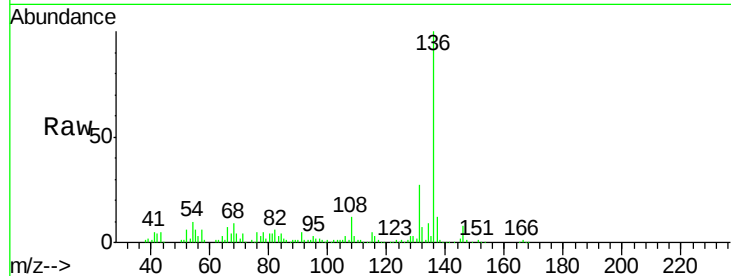
D11-B1(6-12)C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		338311		
137	11.6		9.1	13.7	
54	10.4		6.6	10.0	
68	9.2		5.1	7.7	

Manual Integrations

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#23

Nitrobenzene-d5

Concen: 65.80 ng

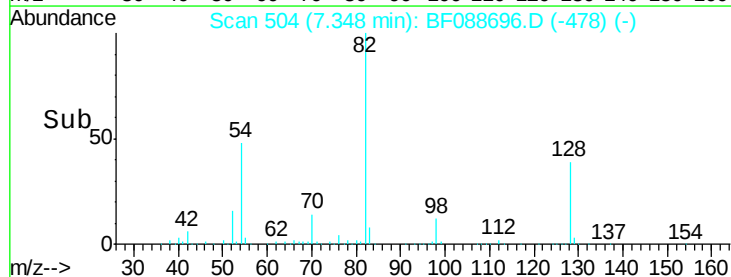
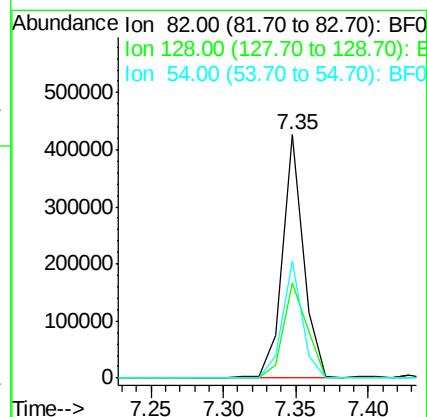
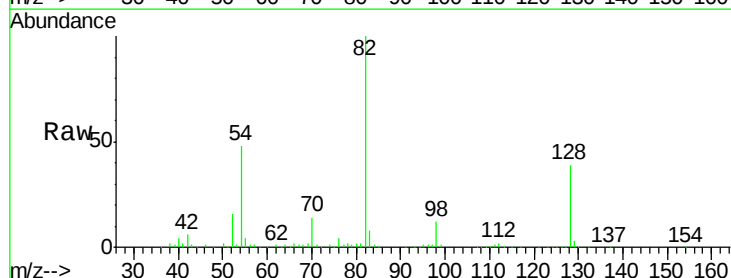
RT: 7.35 min Scan# 504

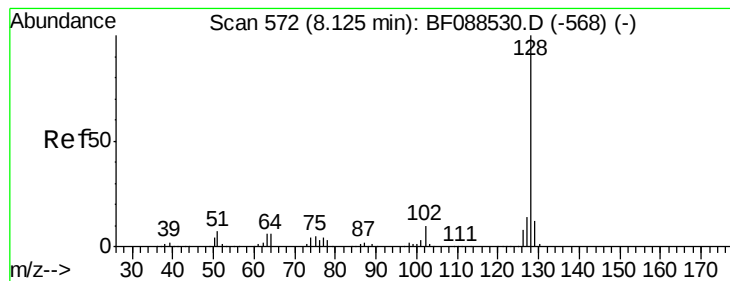
Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		424791		
128	39.2		35.9	53.9	
54	48.2		40.9	61.3	





#31

Naphthalene

Concen: 5.01 ng

RT: 8.09 min Scan# 569

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

Instrument :

BNA_F

ClientSampleId :

D11-B1(6-12)C

Tot Ion:128 Resp: 83615

Ion Ratio Lower Upper

128 100

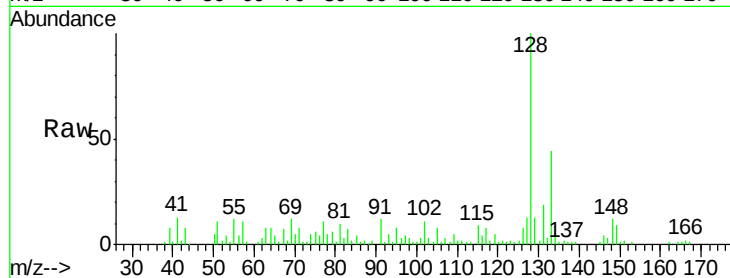
129 13.0 9.4 14.2

127 13.1 10.9 16.3

Manual Integrations

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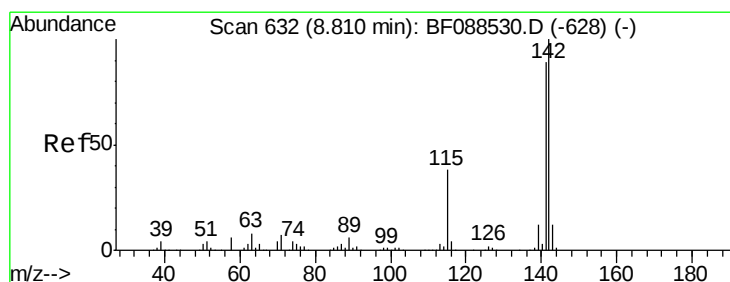
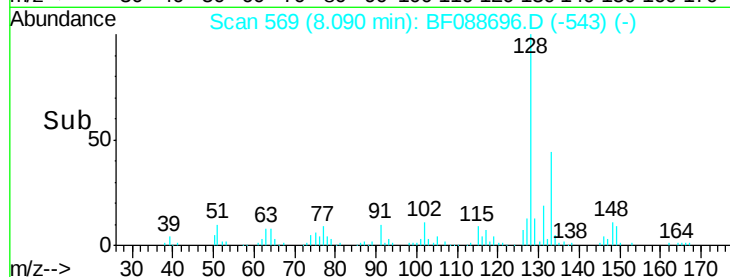
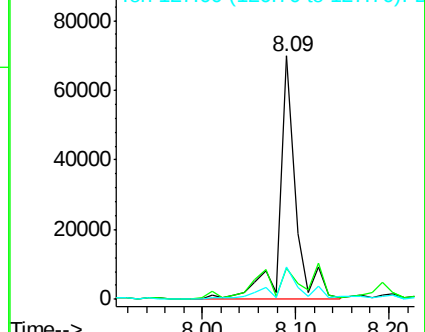
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 59.99 ng

RT: 8.79 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

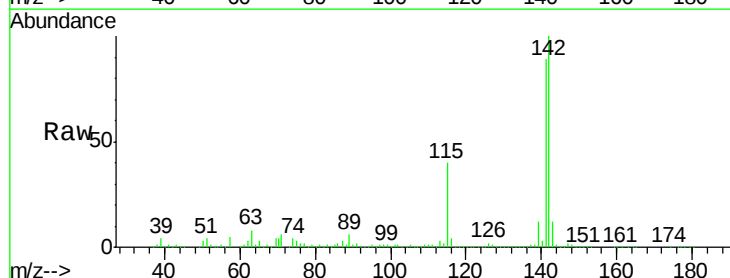
Tgt Ion:142 Resp: 644211

Ion Ratio Lower Upper

142 100

141 89.5 71.0 106.6

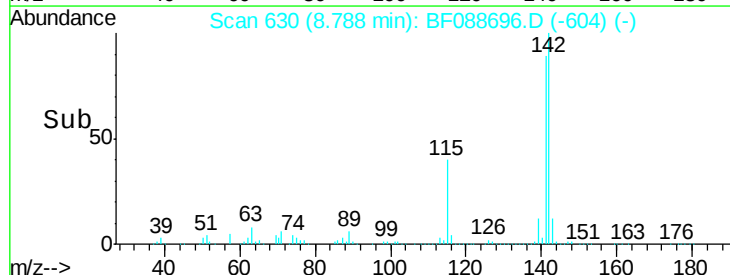
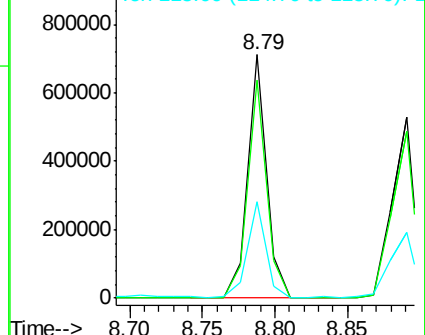
115 39.7 22.6 33.8#

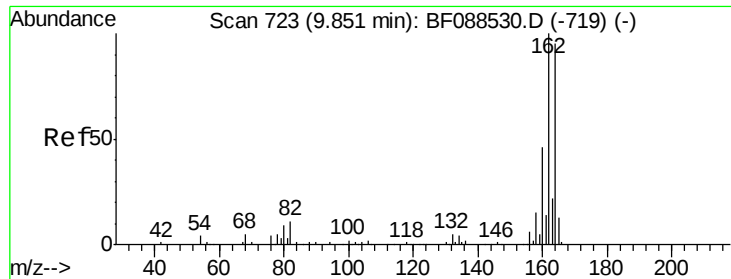


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

Instrument :

BNA_F

ClientSampleId :

D11-B1(6-12)C

Tot Ion:164 Resp: 134636

Ion Ratio Lower Upper

164 100

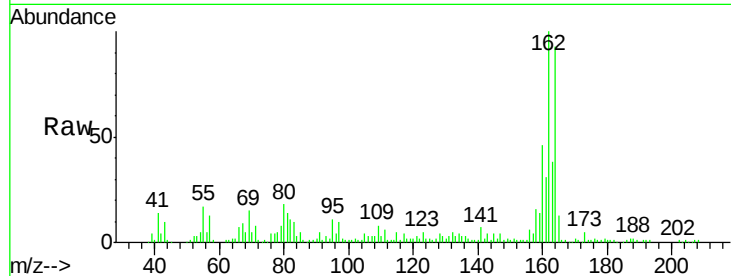
162 107.2 85.4 128.2

160 49.8 39.5 59.3

Manual Integrations

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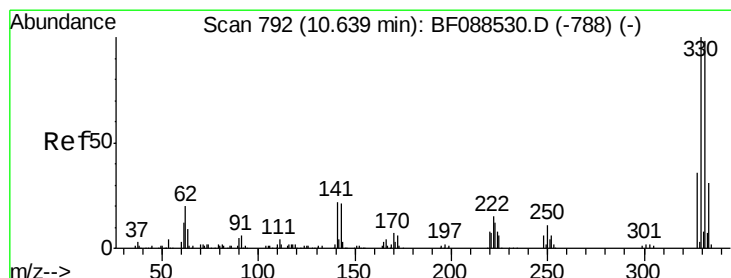
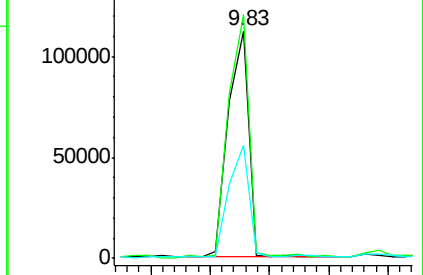
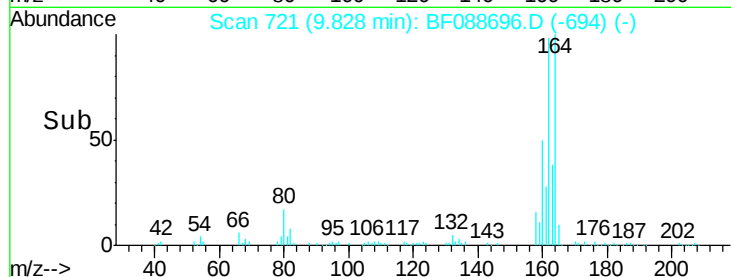
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 80.34 ng

RT: 10.60 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

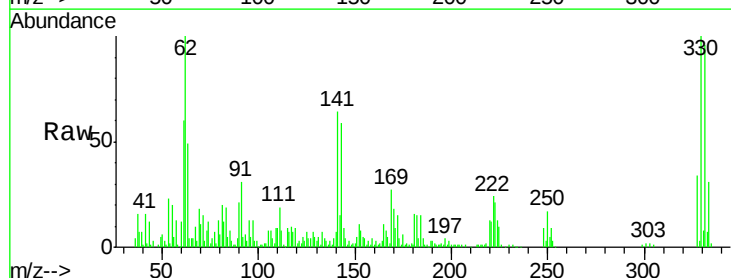
Tgt Ion:330 Resp: 100449

Ion Ratio Lower Upper

330 100

332 97.6 0.0 0.0#

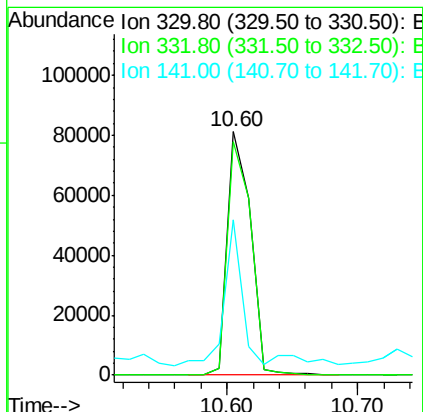
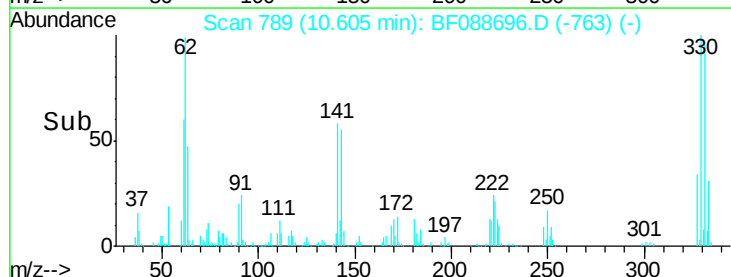
141 47.9 0.0 0.0#

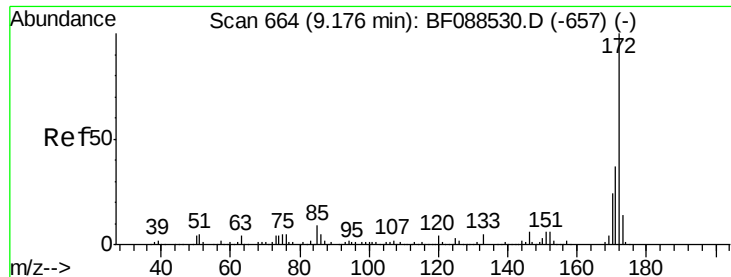


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





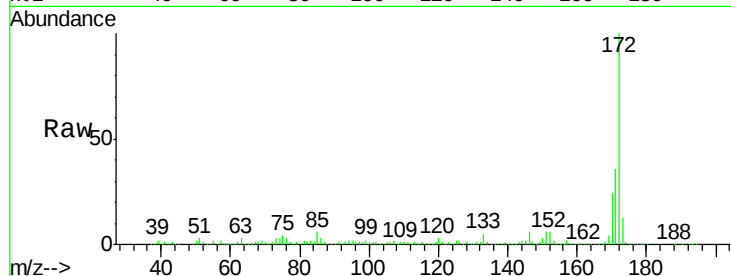
#44
2-Fluorobiphenyl
Concen: 93.74 ng
RT: 9.15 min Scan# 662
Delta R.T. 0.00 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

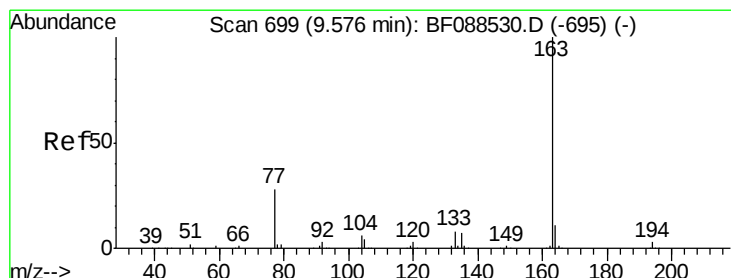
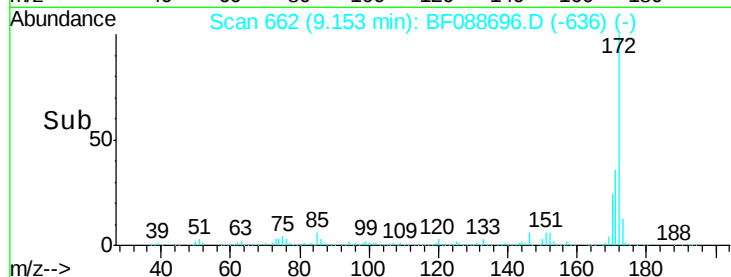
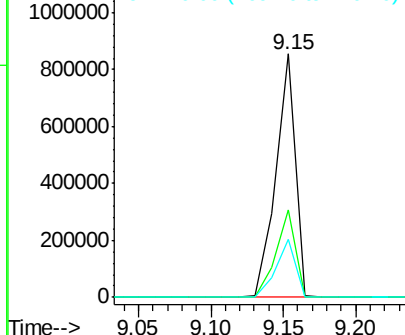
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.1	19.2	28.8

Manual Integrations

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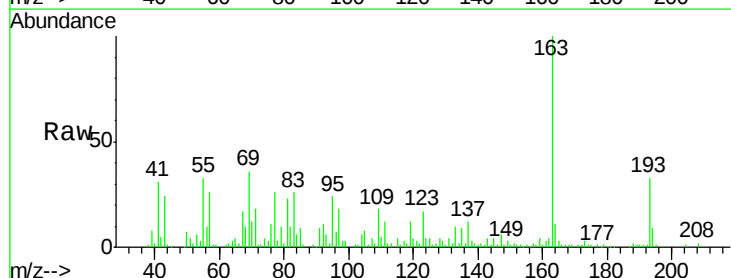


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

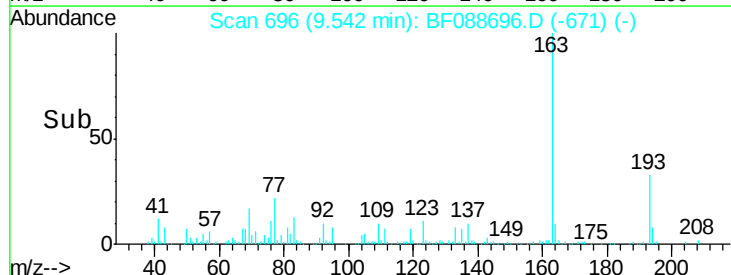
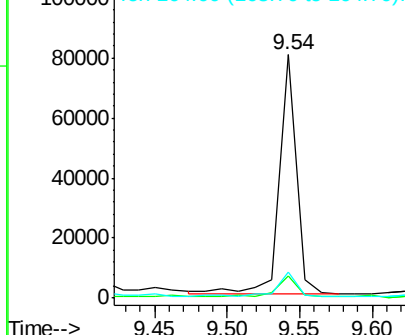


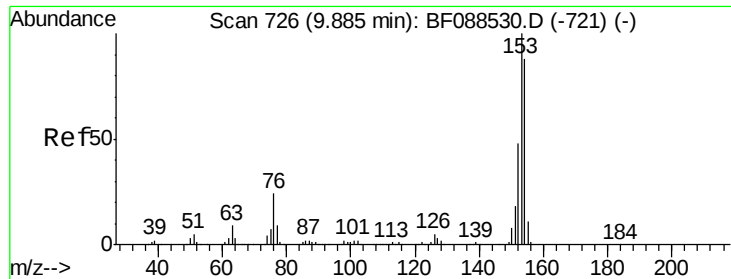
#49
Dimethylphthalate
Concen: 6.89 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	9.0	2.8	4.2#
164	10.8	8.3	12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 19.46 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

Instrument :

BNA_F

ClientSampleId :

D11-B1(6-12)C

Tot Ion:154 Resp: 166105

Ion Ratio Lower Upper

154 100

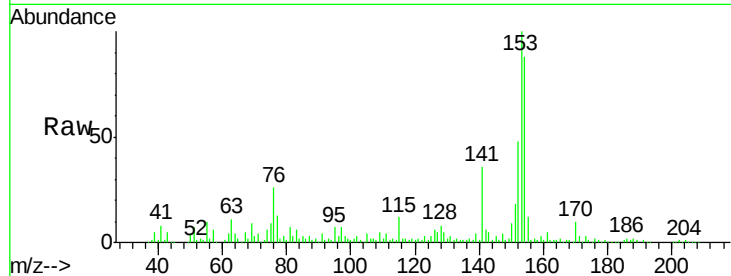
153 113.8 89.5 134.3

152 54.1 42.7 64.1

Manual Integrations

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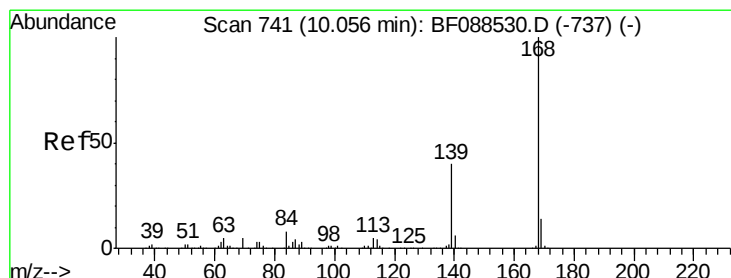
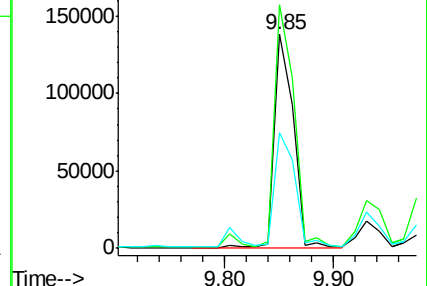
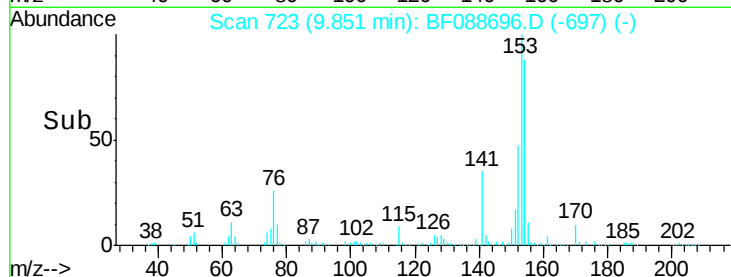
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 12.57 ng

RT: 10.02 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

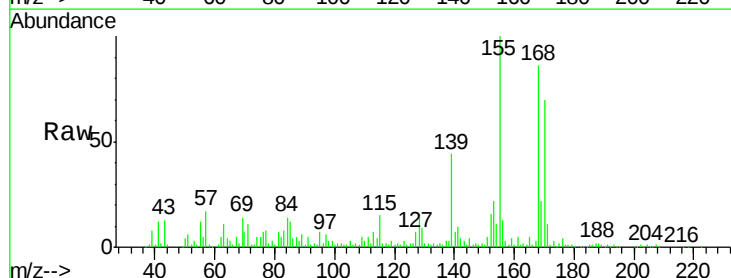
Tgt Ion:168 Resp: 140426

Ion Ratio Lower Upper

168 100

139 51.3 26.4 39.6#

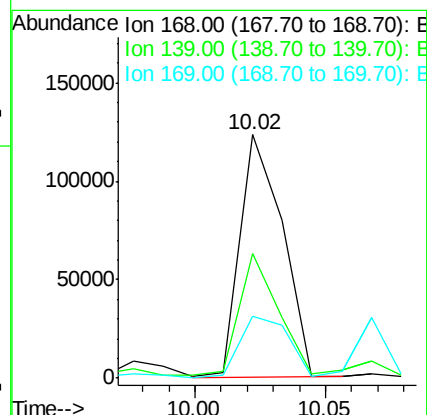
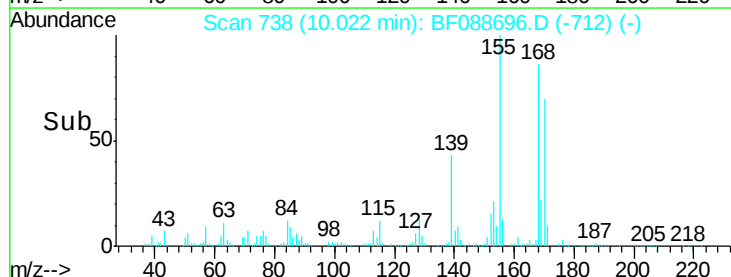
169 25.3 10.4 15.6#

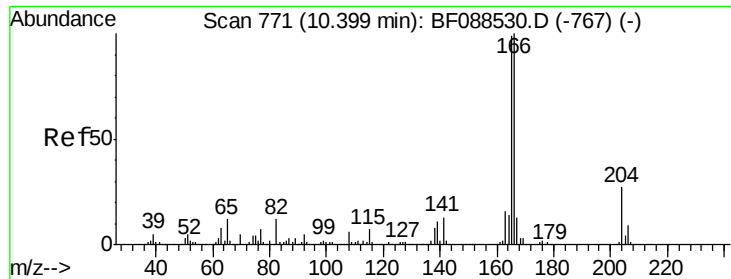


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 8.64 ng

RT: 10.36 min Scan# 768

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

Instrument :

BNA_F

ClientSampleId :

D11-B1(6-12)C

Tot Ion:166 Resp: 74355

Ion Ratio Lower Upper

166 100

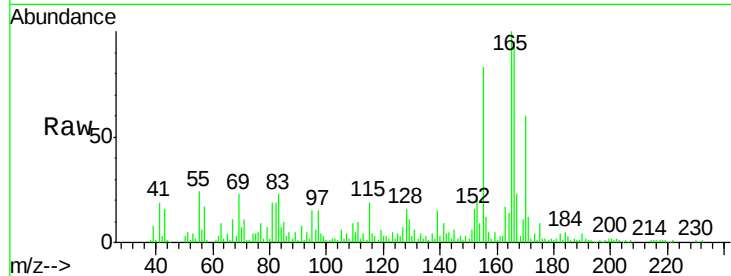
165 105.4 77.8 116.8

167 23.9 11.2 16.8#

Manual Integrations

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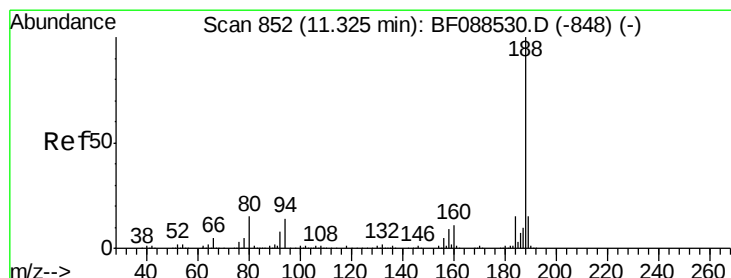
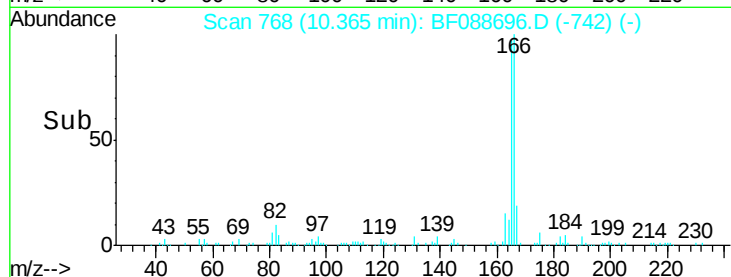
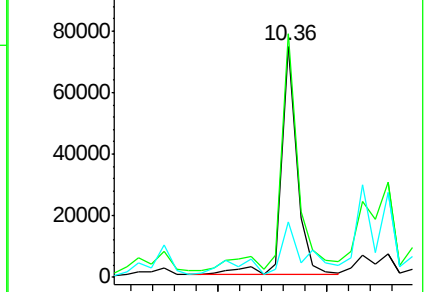
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 850

Delta R.T. 0.01 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

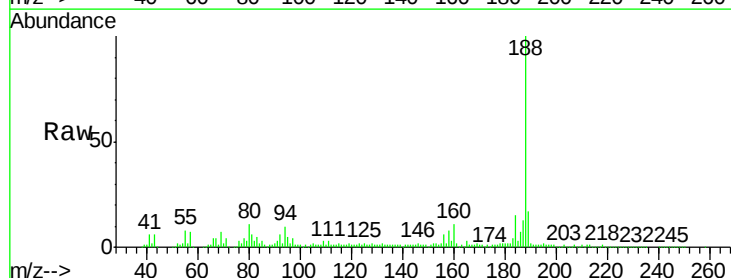
Tgt Ion:188 Resp: 216239

Ion Ratio Lower Upper

188 100

94 10.4 9.0 13.6

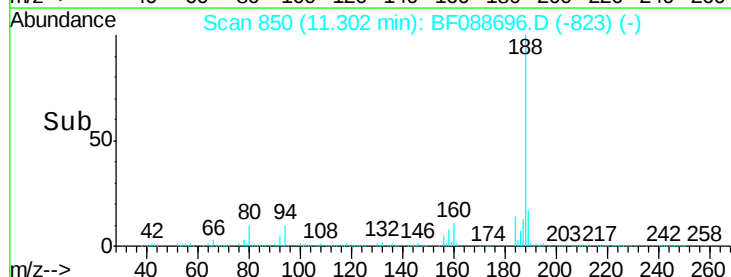
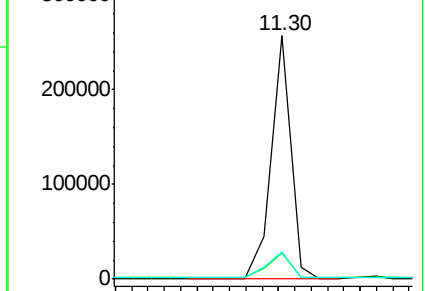
80 11.1 10.0 15.0

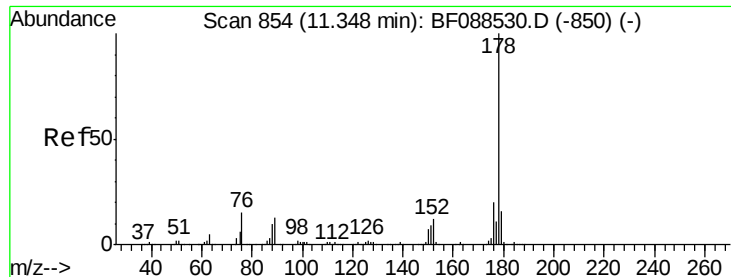


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 17.40 ng

RT: 11.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

Instrument :

BNA_F

ClientSampleId :

D11-B1(6-12)C

Tot Ion:178 Resp: 205729

Ion Ratio Lower Upper

178 100

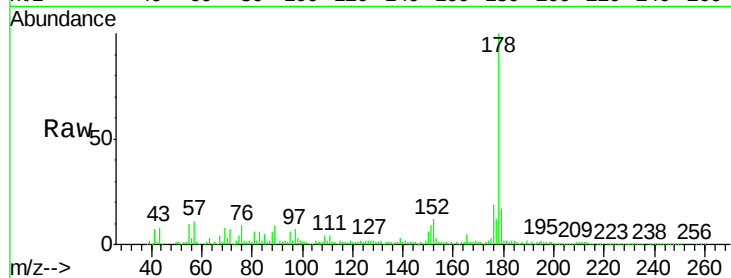
176 19.4 15.8 23.6

179 17.5 13.0 19.4

Manual Integrations

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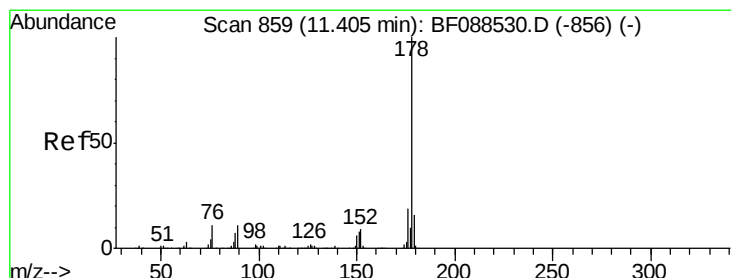
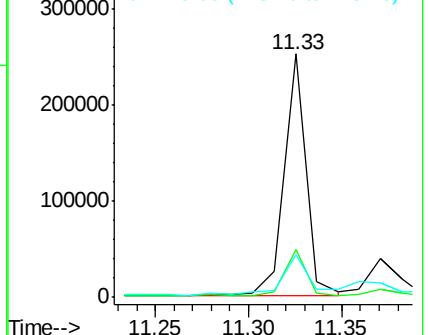
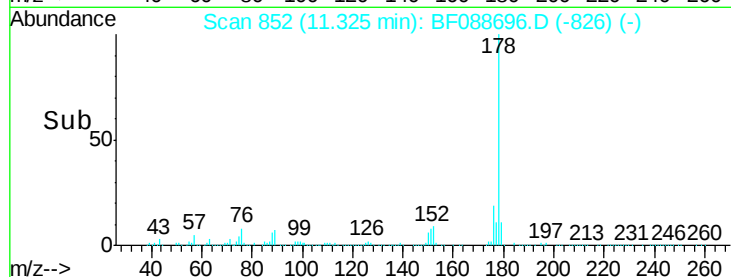
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.01 ng m

RT: 11.37 min Scan# 856

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

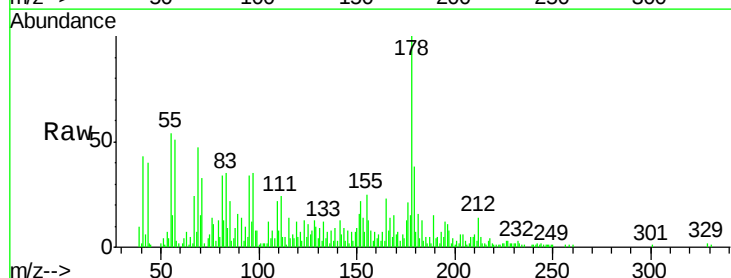
Tgt Ion:178 Resp: 47100

Ion Ratio Lower Upper

178 100

176 21.1 15.6 23.4

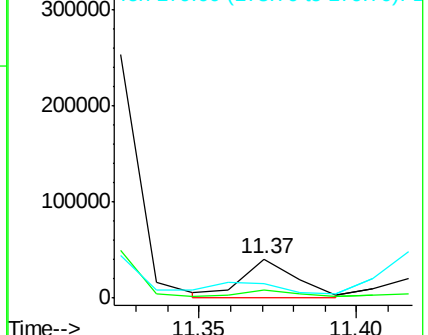
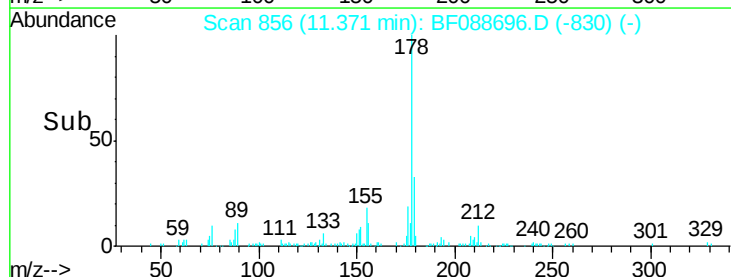
179 38.3 12.8 19.2#

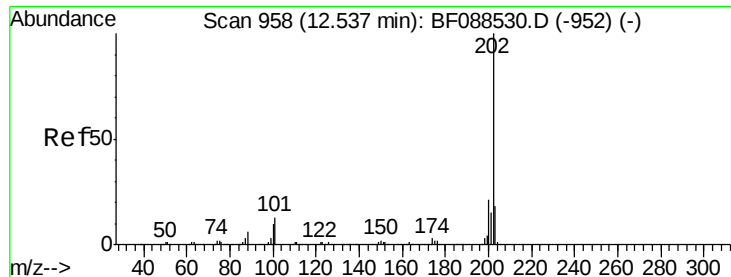


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.81 ng

RT: 12.51 min Scan# 956

Delta R.T. 0.01 min

Lab File: BF088696.D

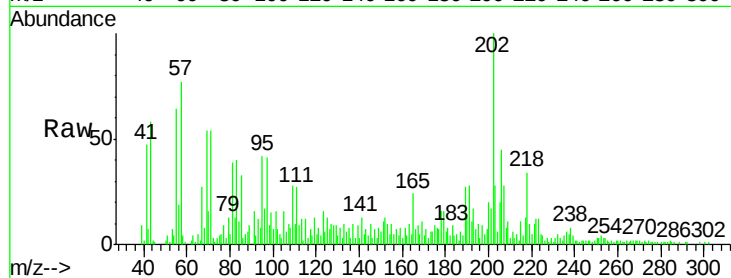
Acq: 4 Jul 2016 15:30

Instrument :

BNA_F

ClientSampleId :

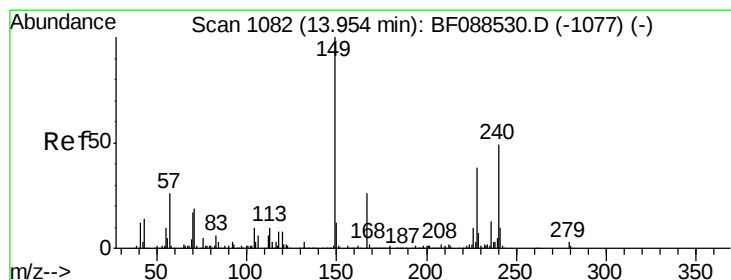
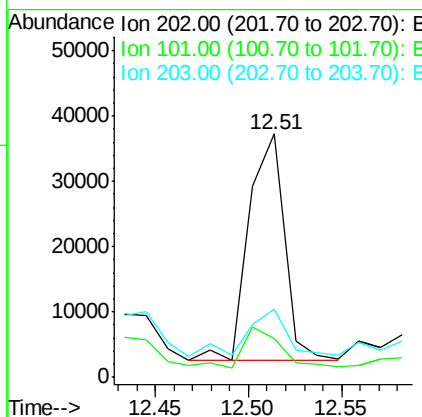
D11-B1(6-12)C



Tot Ion:	202	Resp:	45615
Ion Ratio	Lower	Upper	
202	100		
101	15.7	0.0	33.1
203	28.3	0.0	38.1

Manual Integrations

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#75

Chrysene-d12

Concen: 20.00 ng

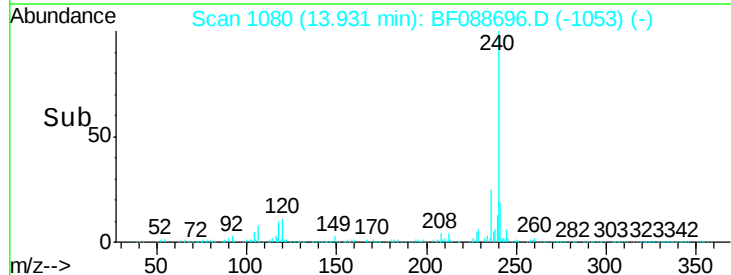
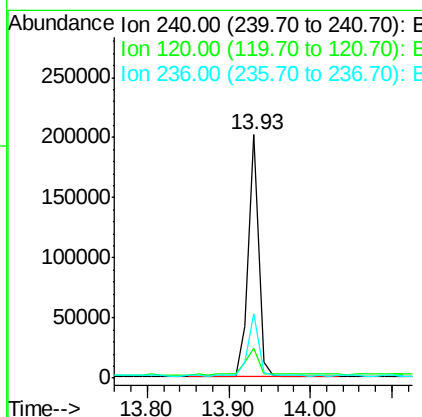
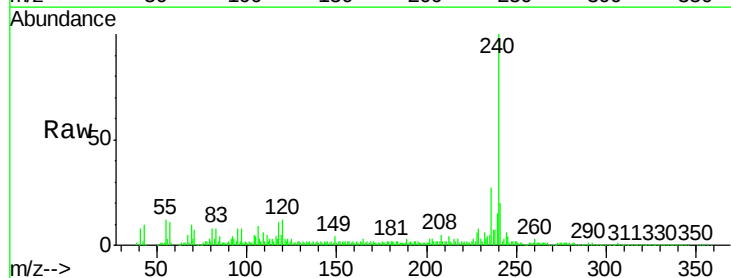
RT: 13.93 min Scan# 1080

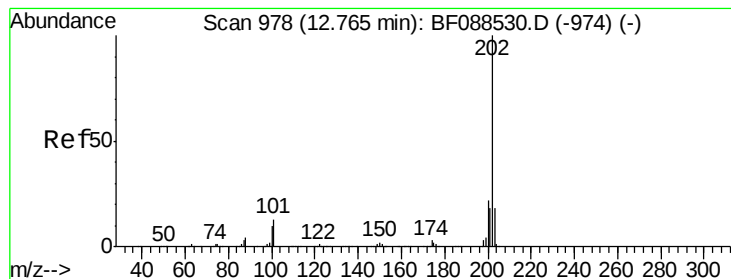
Delta R.T. 0.01 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

Tgt Ion:	240	Resp:	177009
Ion Ratio	Lower	Upper	
240	100		
120	12.4	6.8	10.2#
236	26.6	20.2	30.2





#77

Pvrene

Concen: 11.53 ng

RT: 12.73 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

Instrument :

BNA_F

ClientSampleId :

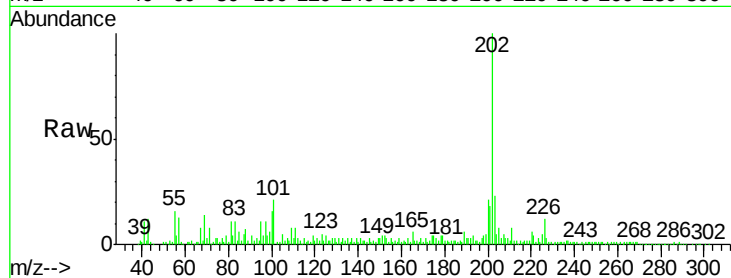
D11-B1(6-12)C

Tot Ion:	202	Resp:	173000
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	22.7	14.5	21.7#

Manual Integrations

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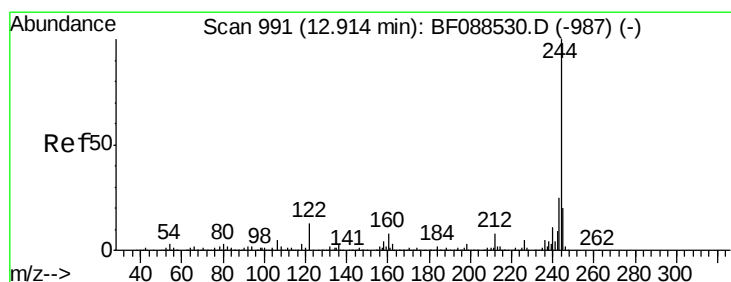
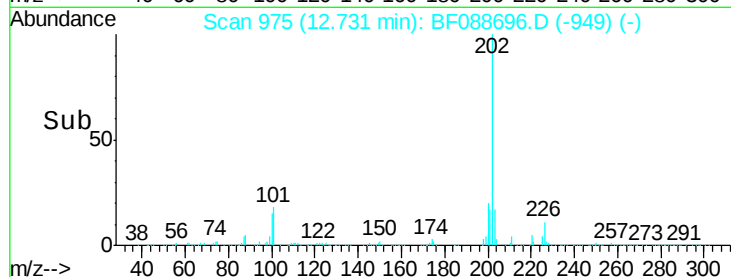
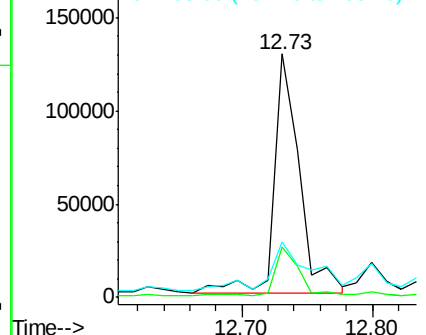
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 66.48 ng

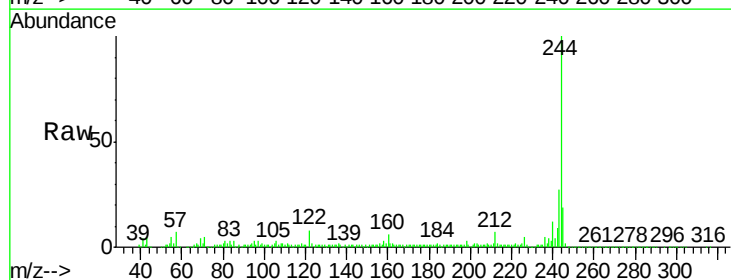
RT: 12.89 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF088696.D

Acq: 4 Jul 2016 15:30

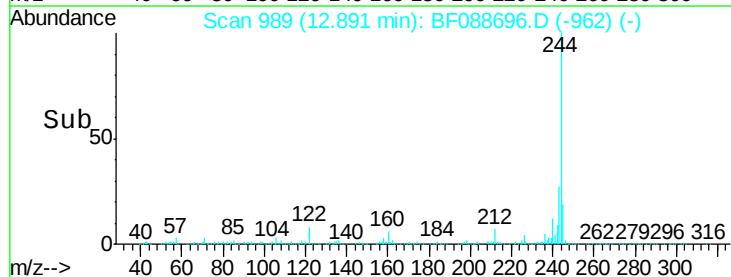
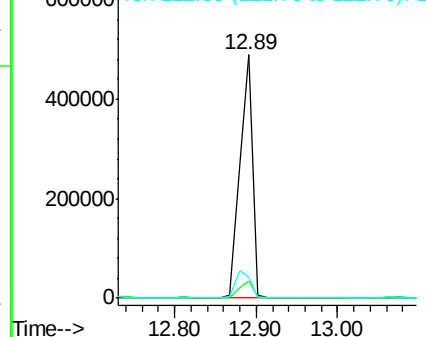
Tgt Ion:	244	Resp:	528351
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	8.4	11.2	16.8#

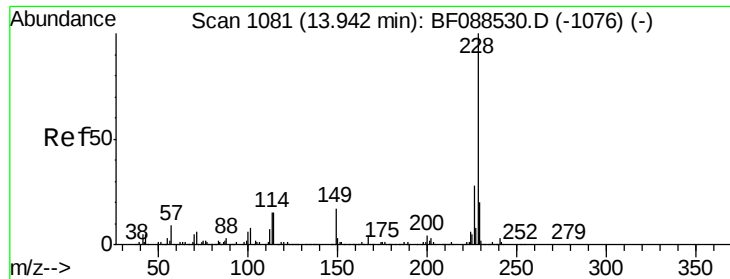


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





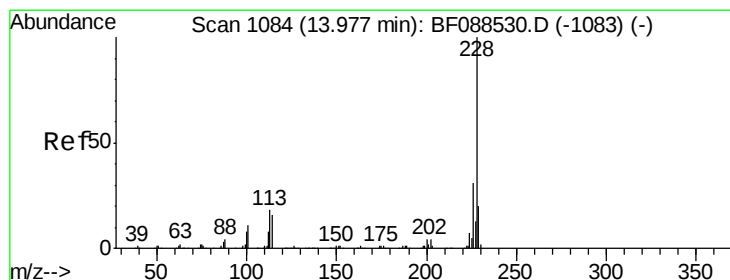
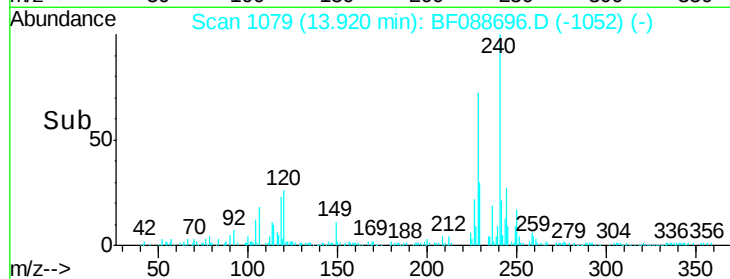
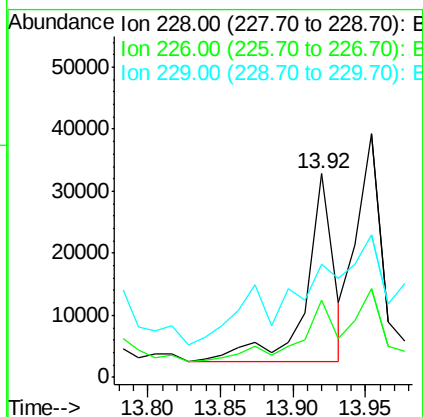
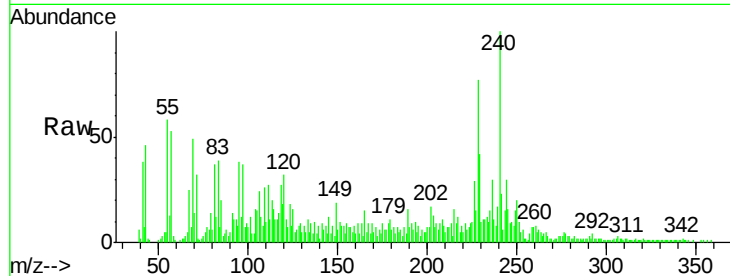
#80
Benzo(a)anthracene
Concen: 3.55 ng
RT: 13.92 min Scan# 1079
Delta R.T. 0.01 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	38.0	22.3	33.5#	
229	55.3	16.0	24.0#	

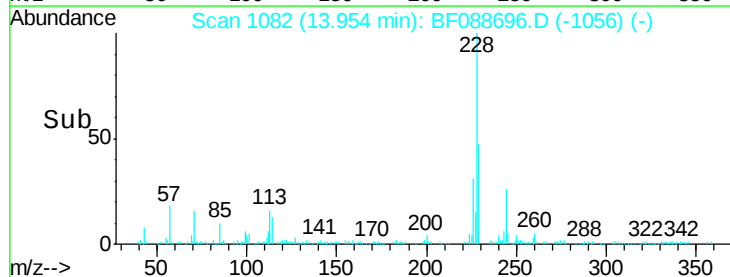
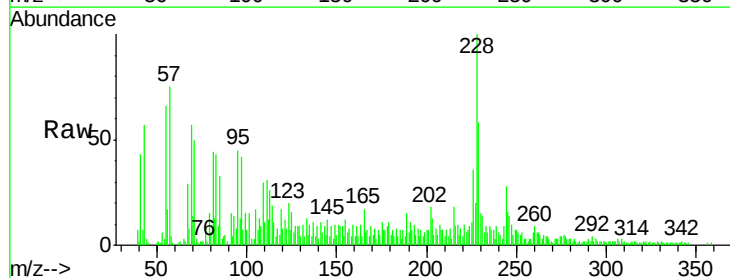
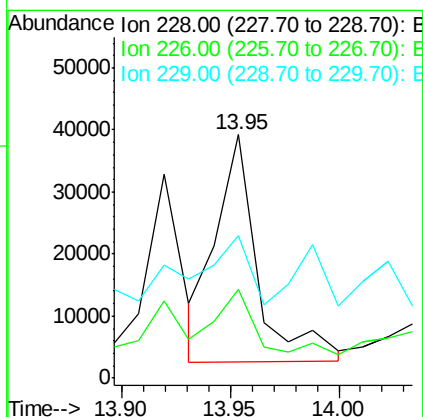
Manual Integrations

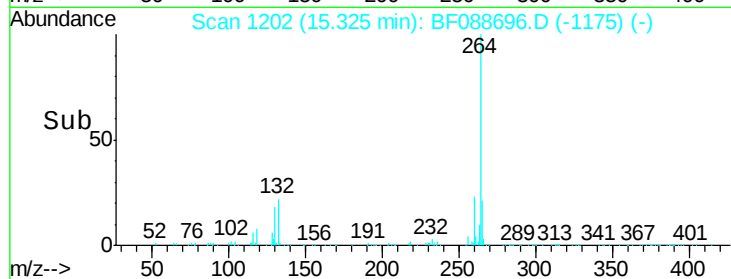
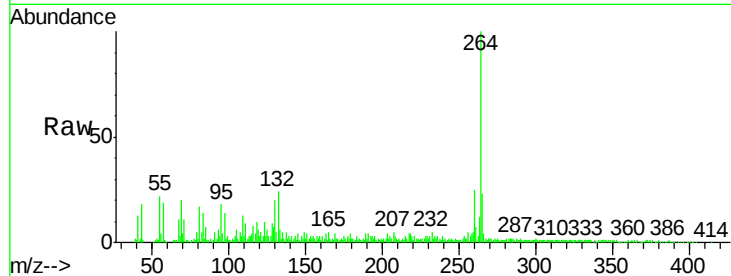
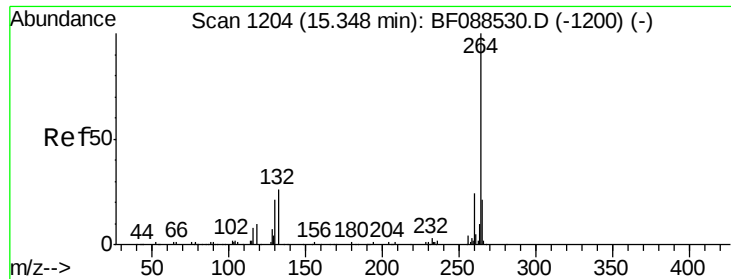
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7/5/2016 7:49:51 PM



#82
Chrysene
Concen: 4.36 ng
RT: 13.95 min Scan# 1082
Delta R.T. 0.00 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	36.5	25.4	38.2	
229	58.4	16.3	24.5#	





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.8	16.9	25.3

Manual Integrations

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